SONY
make.believe

VPL-EX100EDU

An energy-efficient 2300 Lumen XGA projector with an exclusive PrimeSupport package for the education market

The VPL-EX100EDU is picture-perfect choice for a wide range of teaching environments, delivering performance, speed, convenience and economy.

With 1.3 – 1.82 throw ratio and 1.3 times optical zoom, the VPL-EX100EDU is versatile and, where possible, can even re-use existing ceiling suspensions.

A long lamp life, (up to 6000 hours) and synchronised lamp and filter change means a reduction in maintenance costs and gives you exceptionally low levels of down-time.

With a single push of the New ECO MODE button on the projector itself, (or the supplied Remote Commander™), users can switch simply to the eco settings. The VPL-EX100EDU has three brightness modes (High, Standard and Low) allowing the user to control the brightness and power consumption of the projector to suit the environment and conditions they are in.

This specific model includes an enhanced PrimeSupport package designed especially for the education market. The cover is for three years, with a free replacement lamp if it fails, plus a brand new replacement projector in case of unrepairable failure.

To learn more about how this projector could enhance your teaching environment, please contact your specialist dealer for more information.

Features

Eco Mode Key

Users can easily select power-saving Eco Modes. The most energy-efficient mode is accessible though a single button-push, and further adjustments are available through an easily-understood menu system.

Front Exhaust

With a front exhaust system, users sitting behind the projector are not affected by expelled hot air and fan noise.

Easy to operate control panel layout

The VPL-EX100EDU's control panel is on top of the device for easy operation, with large, easy-to-locate controls.

Built-in upward beam angle and keystone adjustment

Normally, the front angle of a projector has to be adjusted to raise the beam to the screen. In the VPL-EX100EDU, this initial adjustment is built-in and includes a corresponding keystone adjustment, saving two setup stages.

Automatic Keystone Adjustment

The projector can detect keystone distortion and can correct it automatically. (Note that since this is an electronic correction, it will reduce the picture quality slightly).

Smart APA (Auto Pixel Alignment)

When a computer is used as a picture source, APA automatically optimises Phase, Pitch and Shift values. These can also be adjusted manually.

Auto Input Search

Auto Input Search detects which input has an incoming signal, and automatically switches to it. This makes it easier for users to set up the projector prior to making a presentation.

Picture Muting

If the picture needs to be turned off, all it takes is a single button-press on the remote control. This will

mute audio at the same time. There is also a separate "mute audio" button for audio-only muting.

Audio switcher facility

To avoid the need for a separate audio switcher, the projector can be used to select between two audio sources, routing them via a variable audio output to the room amplification system.

Picture Freeze Function

Picture Freeze is useful during presentations if you need to look at other material on your PC's screen without the viewing audience being aware. Freeze the current image, and you can use your PC independently of the display from the projector

Digital Zoom

With Digital Zoom, if you are displaying a computer-sourced image, you can enlarge a selected area of the screen image by up to four times.

Filter replaced at the same time as lamp

The filter only needs to be changed when a new lamp is fitted, potentially halving disruption due to maintenance.

Multiple Picture Modes

The VPL-EX100EDU has six picture modes (Dynamic, Standard, Game, Living, Cinema and Presentation) that can be selected to suite the nature of the source material.

Built-in security measures

The VPL-EX100EDU has a package of security measures, including password protection, and physical anti-theft anchor points.

Off and Go

At the end of a presentation, you can turn off the power supply to the projector immediately, instead of going through a "power down" cycle.

Direct Power On/Off

With this function, there is no need to go through "Standby" mode when powering up the projector. The projector can be set to activate as soon as power is applied.

Technical Specifications

Display system	3 LCD system

Display device	
Size of effective display area	0.63" (16.0 mm) x 3, Aspect ratio: 4:3
Number of pixels	2,359,296 (1024 x 768 x 3) pixels

Projection lens	
Zoom	Manual (Approx. 1.3 x)
Focus	Manual
Light source	High-pressure mercury lamp 210 W type
Recommended lamp replacement time*1	3000 H / 4500 H / 6000 H (Lamp mode: High / Standard / Low)
Filter cleaning cycle	Max. 6000 H*1 / Same time as the lamp replacement is recommended
Screen size	30" to 300" (0.762 m to 7.62 m)*2
Light output (Lamp mode: High / Standard / Low)	2300 lm / 1800 lm / 1500 lm
Color light output	2300 lm / 1800 lm / 1500 lm
Contrast ratio (full white / full black)*3	2200:1
Speaker	1 W x 1 (monaural)

Displayable scanning frequency	
Horizontal	14 kHz to 93 kHz
Vertical	47 Hz to 93 Hz

Display resolution	
Computer signal input	Maximum input signal resolution: 1600 x 1200 (resizing display), Panel display resolution: 1024 x 768 pixels
Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i
Color system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Keystone correction	Vertical: Max. +/- 30 degrees*4
OSD language	20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)

Computer and video signal input/output	
INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack

S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)
VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)
OUTPUT	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*6: Stereo mini jack (variable out)
Other signal input/ output	RS-232C connector: D-sub 9-pin (female)
Operating temperature (Operating humidity)	0°C to 40°C / 32°F to 104°F (35% to 85% (no condensation))
Storage temperature (Storage humidity)	-20°C to +60°C / -4°F to +140°F (10% to 90%)
Power requirements	AC 100 V to 240 V, 3.3 A to 1.3 A, 50 Hz /60 Hz

Power consumption	
AC 100 V to 120 V	300 W / 265 W / 235 W
AC 220 V to 240 V	290 W / 255 W / 225 W

Standby mode power consumption	
AC 100 V to 120 V	8 W /
AC 220 V to 240 V	10 W /

Heat dissipation	
AC 100 V to 120 V	1023 BTU
AC 220 V to 240 V	989 BTU
Standard outside dimensions	W 313.4 x H 129.6 x D 278.3 mm (W 12 11/32 x H 5 3/32 x D 10 31/32 in) W 313.4 x H 114.1 x D 269 mm (W 12 11/32 x H 4 1/2 x D 10 19/32 in) (without protrusion)
Mass	3.2 kg / 7 lb 0.88 oz

Supplied Accessories	
RM-PJ	Remote Commander
CR2025	Lithium Battery
	Mini D-sub 15 pin cable
	Lens Cap
	Operating Instructions
	Quick Reference Manual
	AC Power Cord
	Carrying case